

Abstract of the Disclosure

Tube bending/crimping apparatus has a frame, a toggle assembly and a carriage assembly. The toggle assembly has overlapping male dies with tapering working tips that form a self-centering wedge. The carriage assembly has a shaft with a pinion that engages a rack on the frame to move the carriage assembly. A handle on the shaft is linked to the shaft by a cam clutch and a plunger, so that when the plunger is engaged, pushing the handle moves the carriage assembly forward. When the plunger is disengaged, the carriage assembly is easily moved back to the starting position. Mechanical stops for the handle assure consistent advancement. A receiving element on the carriage assembly has grooves for several sizes and orientations of tube.